DANIEL H. SU
Computer Science Graduate Student

Sudan@live.unc.edu
919-274-3762
Danielsuhang.com
https://github.com/Danielsuhang

EDUCATION

University of North Carolina at Chapel Hill (UNC-CH)   Class of 2020
Masters in Computer Science

University of North Carolina at Chapel Hill (UNC-CH)   Class of 2018
Bachelor of Science in Computer Science, *Major GPA: 3.7/4.0, National Merit Finalist*
- Relevant Coursework: Advanced Data Structures and Algorithms, Robotics and Artificial Intelligence, Web Design and Programming, Linear Algebra, Statistical Methods in Data Science, Bio-algorithms, Coursera Deep Learning.

EXPERIENCE

Facebook Inc.   May 2019 – August 2019
Incoming Software Engineer Intern

Capital One   June 2018 – August 2018
Software Engineer TDP Intern | Full Stack Developer
- Backend development in Card Tech Fraud Resolution utilizing JPA/Hibernate to create Java APIs and query SQL database, contributing a dozen new endpoints, and successfully merged into production.
- Developed Angular 6 UI feature set integrated with NodeJS to hit internal Java API endpoints.

Graduate Teaching Assistant   August 2018 – Present
BioAlgorithms and Object-Oriented Programming TA
- Created and graded Problem Sets as part of weekly HW assignments
- Facilitating student learning for BioAlgorithms and Object Oriented Programming concepts in a 100+ person class by holding weekly office hours and assisting in recitation.

Text Simplification Research   September 2018 – Present
Research Assistant under Professor Gary Bishop
- Building front-end Text Simplification web application and Chrome Extension to enable disabled students to read and understand complex passages using Machine Learning Text Simplification.

Manhattan Associates   May 2017 – August 2017
Software Engineer Co-op
- Developed fully functional and styled Manage Availability UI from scratch using Angular4, HTML5 and CSS, consolidating future product release; Implemented RESTful API and integrated UI with Java MVC backend.

PROJECTS

CreditSmarter – Winning Credit Card Cashback Angular Web Application   October 1st-3rd
HackNC Best Financial Hack
- Awarded Best Financial Hack in Hackathon with over one hundred project submissions, and several hundred participants based on clean, polished UX design and excellent backend Firebase integration.
- Deployed fully functional web application designed to recommend the most financially awarding Credit Card based on user's categorical spending habits; demo available at: Credit-Smarter.firebaseapp.com

D.A.V.E – Winning Leap Motion Angular 6 Web Application   June 1rd – 2th
Capital One Carbon Hackathon
- Designed doctor-facing web application utilizing Leap Motion to allow the user to maneuver the mouse, click, zoom, and scroll hands-free by using the Leap sensor.
- Developed Angular application integrated with Leap Motion navigation controls

Insurance Predictor– Angular 5 & Firebase Web Application   December 1st – 3rd
Hack Yale 2017
- Developed a fully functional Web Application that was awarded notable distinction in its challenge category.
- Incorporated Data Analytics and Machine Learning in Python/R by cleaning Big Data, training model, and creating multi-linear predictive model for Insurance Premiums.
- Designed Database Lookup Algorithm used to process incomplete searches in Angular 5 and Firebase.

SKILLS
- Proficient Software Skills: Java, Angular 6 / Typescript, Python, Postgres/SQL, Firebase, R, JavaScript, JPA/Hibernate.